

Female

1631

Atty. Dkt. No. 025098-0701

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BAIRD et al.

Title: DESIGN, SYNTHESIS AND USE
OF SPECIFIC POLYAMIDE
DNA-BINDING LIGANDS

Appl. No.: 09/372,474

Filing Date: 08/11/1999

Examiner: A. Marschel

Art Unit: 1631

<p align="center">CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.</p> <p><u>DIANE GARCIA</u> (Printed Name)</p> <p><u>Diane Garcia</u> (Signature)</p> <p><u>4-7-04</u> (Date of Deposit)</p>

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

STATEMENT

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

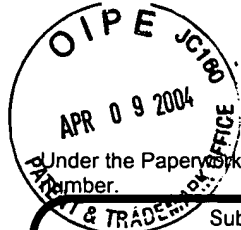
Respectfully submitted,

Date April 6, 2004

By Richard San Pietro

FOLEY & LARDNER LLP
Customer Number: 30542
Telephone: (858) 847-6717
Facsimile: (858) 792-6773

Richard San Pietro
Attorney for Applicant
Registration No. 45,071



MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/372,474
Filing Date	08/11/1999
First Named Inventor	Eldon E. Baird
Group Art Unit	1631
Examiner Name	A. Marschel
Attorney Docket Number	025098-0701

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	WO	96/05196 A		Pharmacia S.P.A.			
	A2	WO	97/30975		California Institute of Technology			
	A3	WO	98/35702		California Institute of Technology			
	A4	WO	98/37066		California Institute of Technology			
	A5	WO	98/37087		California Institute of Technology			
	A6	WO	98/45284		California Institute of Technology			
	A7	WO	98/50582		California Institute of Technology			

NON PATENT LITERATURE DOCUMENTS

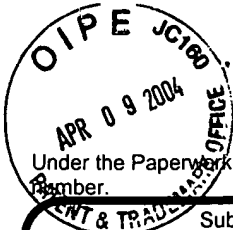
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A8	Baird et al. (1996) "Solid Phase Synthesis of Polyamides Containing Imidazole and Pyrrole Amino Acids." JACS 118: 6141-6146.	
	A9	Parks et al. (1996) "Optimization of the Hairpin Polyamide Design for Recognition of the Minor Groove of DNA." JACS 118: 6147-6152.	

Examiner
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Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 2

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First Named Inventor	Eldon E. Baird
Group Art Unit	1631
Examiner Name	A. Marschel
Attorney Docket Number	025098-0701

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A10	Parks et al. (1996) "Recognition of 5'-(A,T)GG(A,T) ₂ -3' Sequences in the Minor Groove of DNA by Hairpin Polyamides." JACS 118: 6153-6159.	
	A11	Swalley et al. (1996) "Recognition of 5'-(A,T)GGG(A,T) ₂ -3' Sequences in the Minor Groove of DNA by an Eight-Ring Hairpin Polyamide" JACS 118: 8198-8206.	
	A12	Swalley et al. (1997) "Discrimination of 5'-GGGG-3', 5'-GCGC-3', and 5'-GGCC-3' Sequences in the Minor Groove of DNA by Eight-Ring Hairpin Polyamides." JACS 119: 6953-6961.	
	A13	Trauger et al. (1996) "Recognition of DNA by designed ligands at subnanomolar concentrations." Nature 382: 559-561.	
	A14	Walker et al. (1997) "Estimation of the DNA sequence discriminatory ability of hairpin-linked lexitropsins." PNAS, USA 94:5634-5639.	
	A15	White et al. (1998) "Recognition of the four Watson-Crick base pairs in the DNA minor groove by synthetic ligands." Nature 391: 468-471.	
	A16	Communication Pursuant to Article 96(2) EPC dated February 26, 2004.	

Examiner
Signature

Date
Considered

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